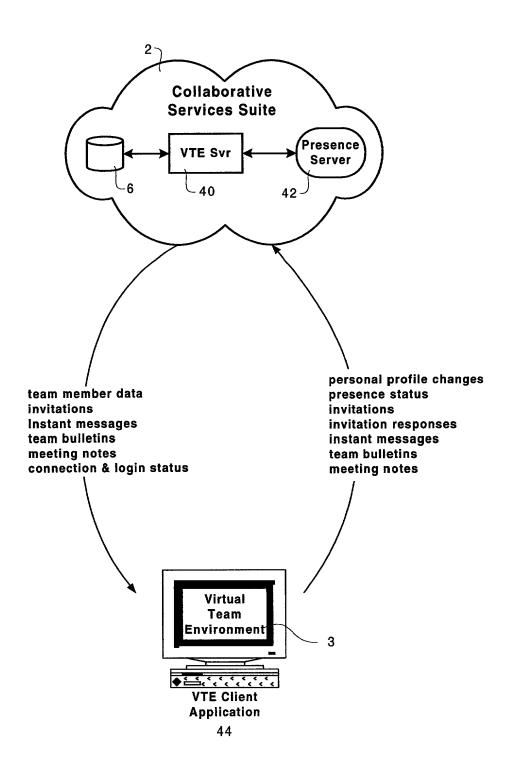
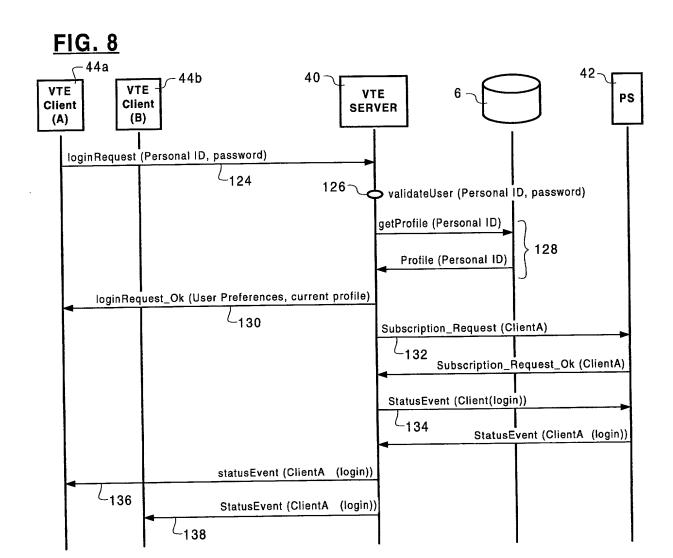


FIG. 6

FIG. 7







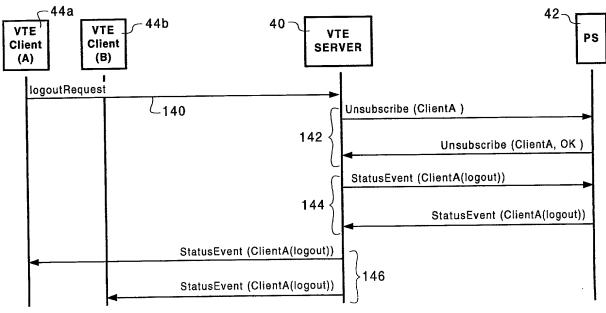
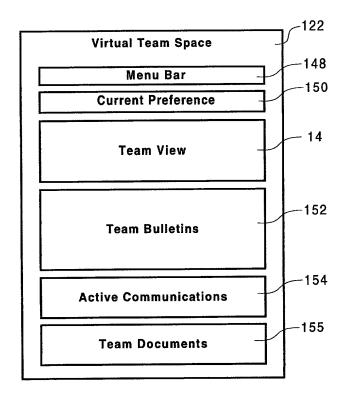


FIG. 10



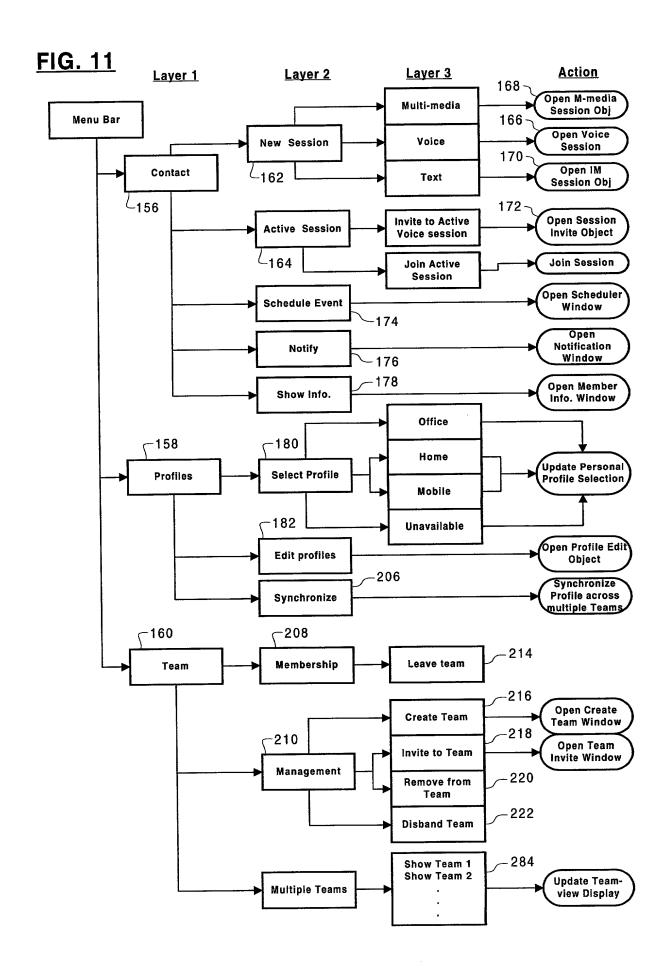


FIG. 12

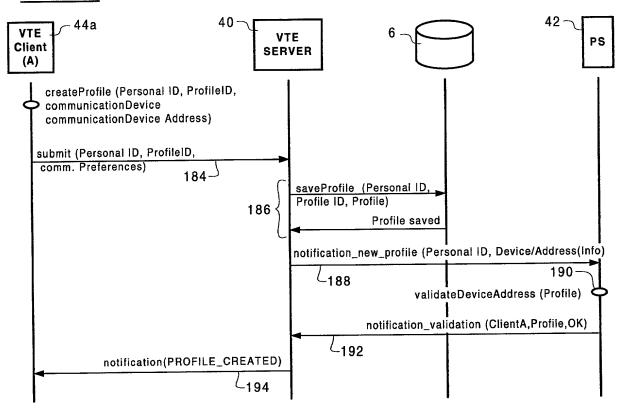
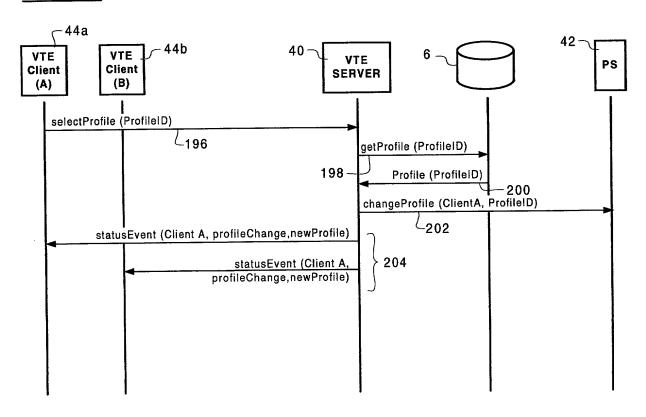


FIG. 13



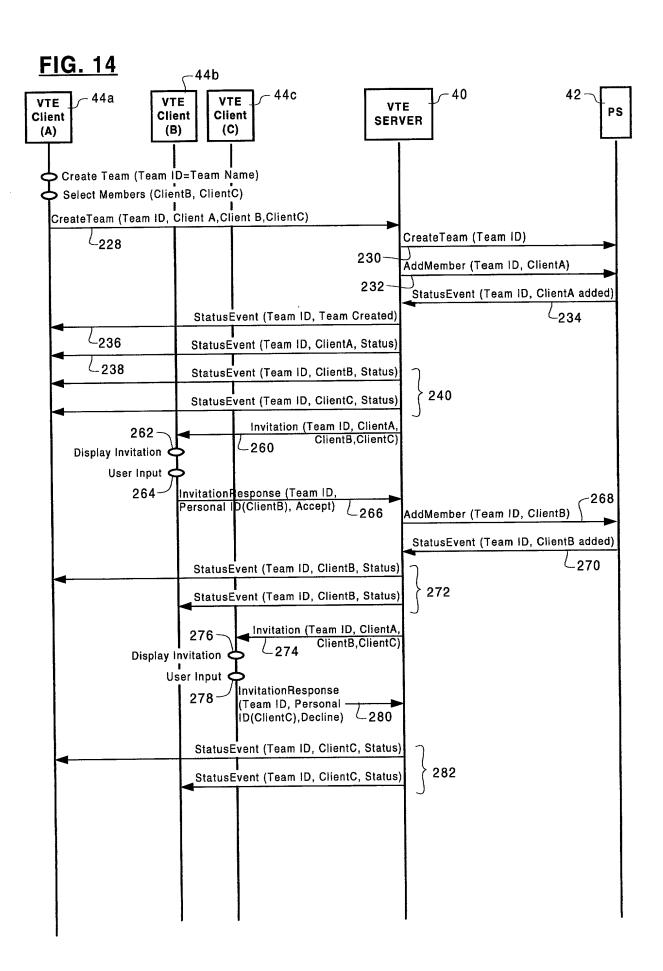


FIG. 15

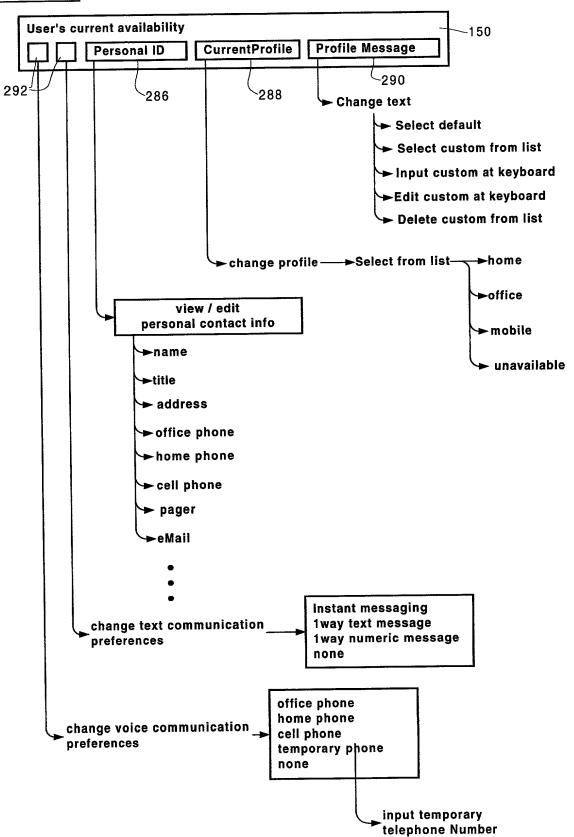


FIG. 16

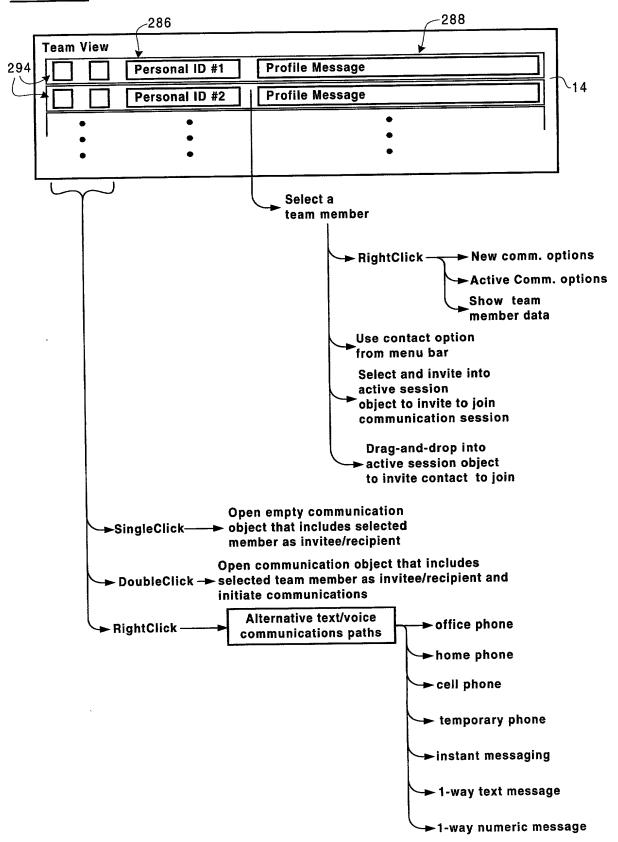
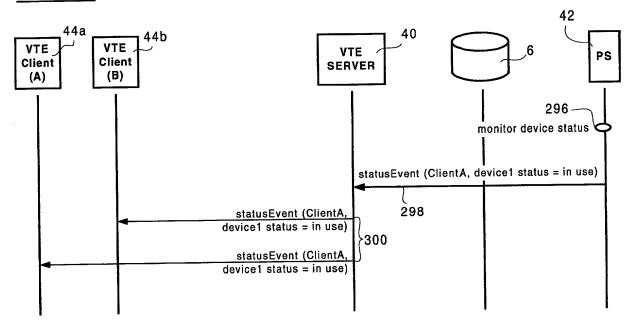


FIG. 17



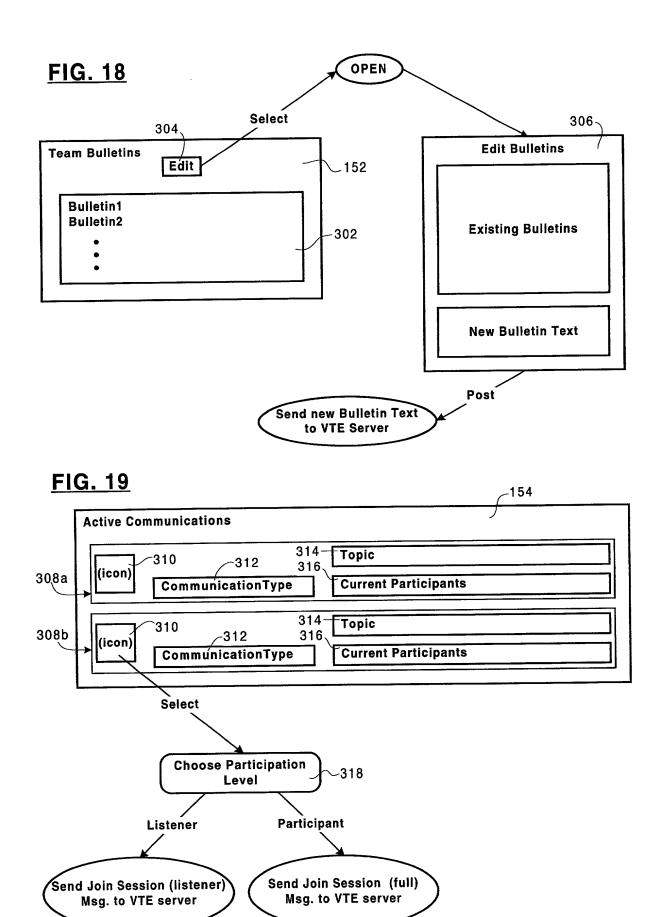
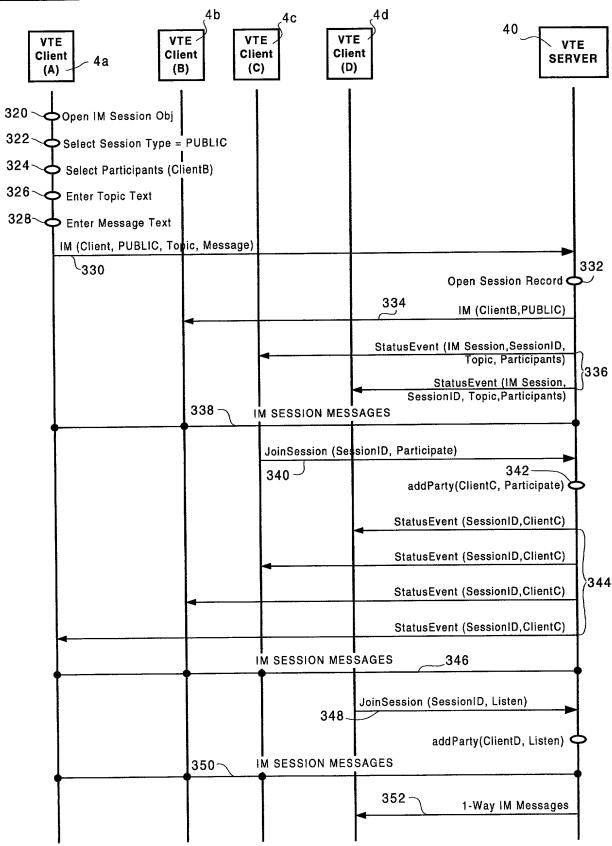
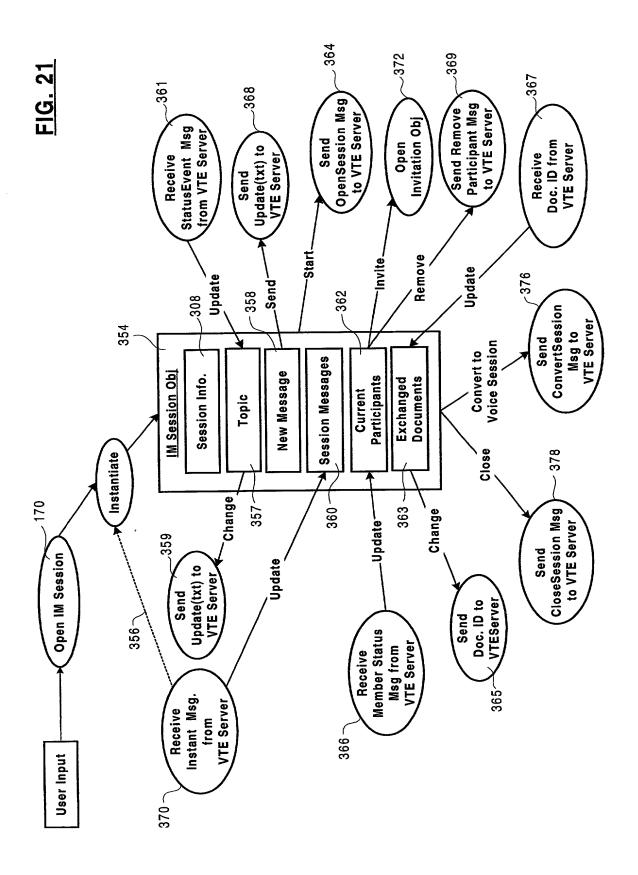
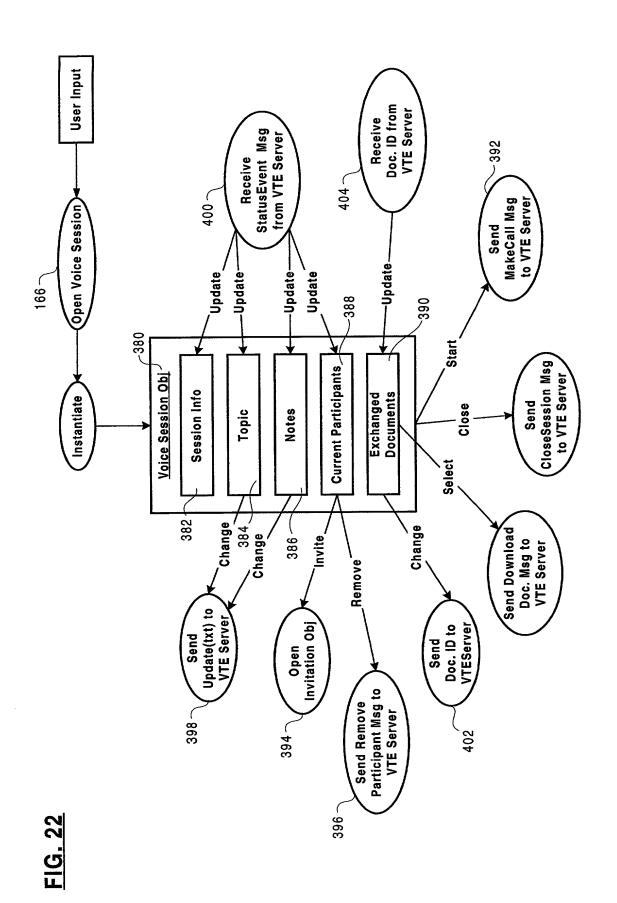
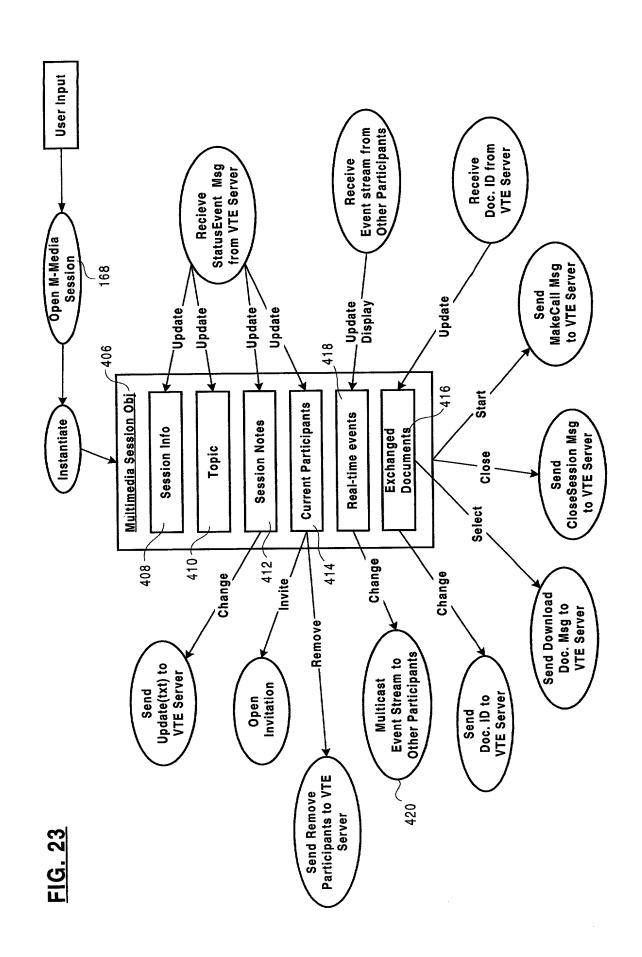


FIG. 20









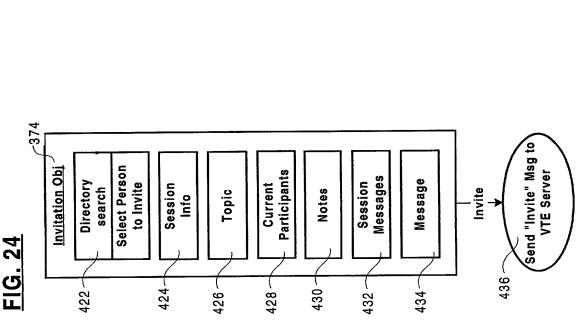


FIG. 25

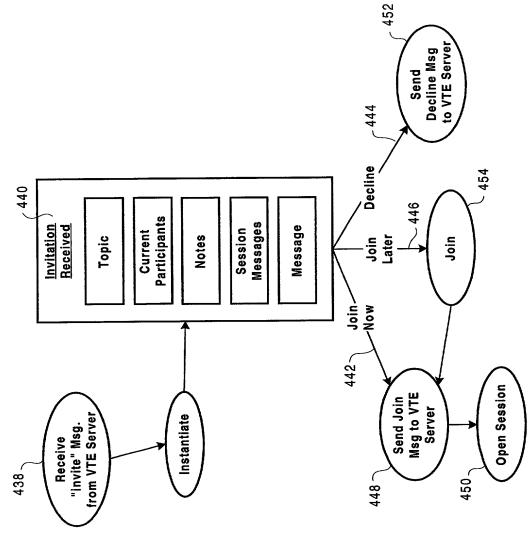
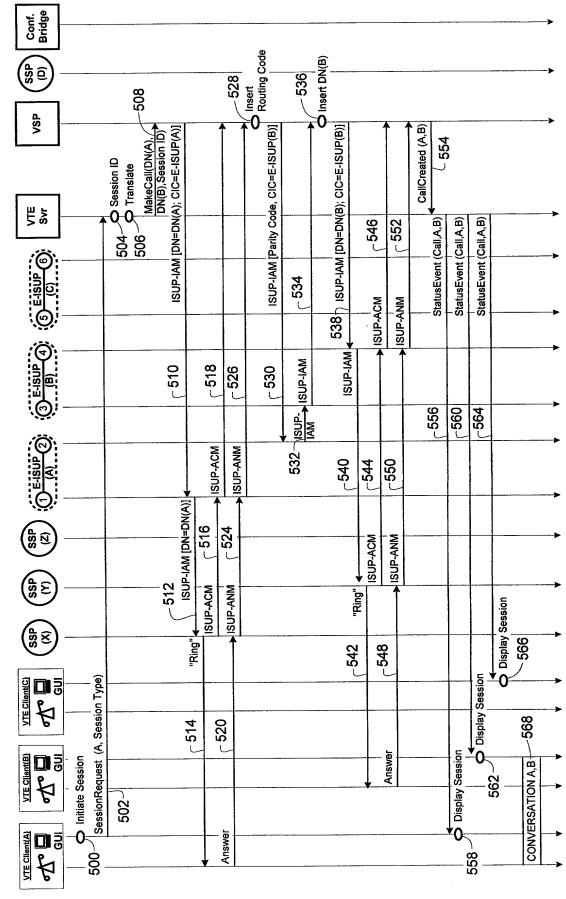


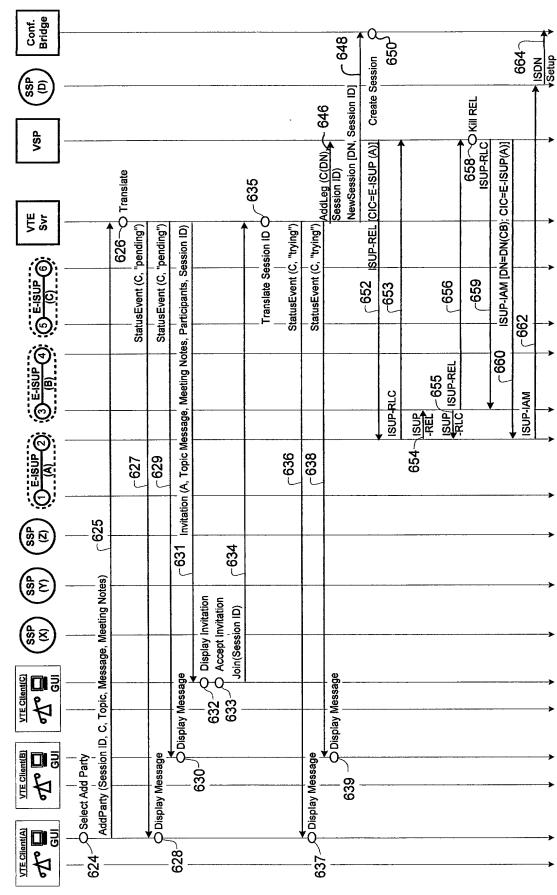
FIG. 26 Set Up 2-Way Voice Communications Session



Conf. Bridge SSP (D) A Archive Voice Comm. Session 576 VSP SessionClosed (A,B) ISUP-RLC ISUP-REL [CIC=E-ISUP(A)] ISUP-REL [CIC=E-ISUP(B)] ISUP-REL [CIC=E-ISUP(A)] -610 CloseSession (Session ID) VTE StatusEvent (Session Type, A, B, Closed) Status Event (Sesssion Type, A, B, Closed) StatusEvent (Session Type, A, B, Closed) _**602** ISUP-RLC **594** 296 **588** 290 ISUP-REL 280 SUP-RLC ISUP-REL ISUP- 591 REL 278 ISUP-RLC -604 909 592 ISUP-RLC ر612 616 620 idle line ISUP-RLC ISUP-REL $^{\downarrow}$ 585 SSP (Z) -584SSP SPP ISUP-RLC A Remove Session SS (X) idle line 572 **809** G18 G Remove Session VTE Client(C) 586 Select Close Session VTE Client(B) Close(Session ID) A Remove Session VTE CHONTAN 570

FIG. 27 Close 2-Way Voice Communications Session

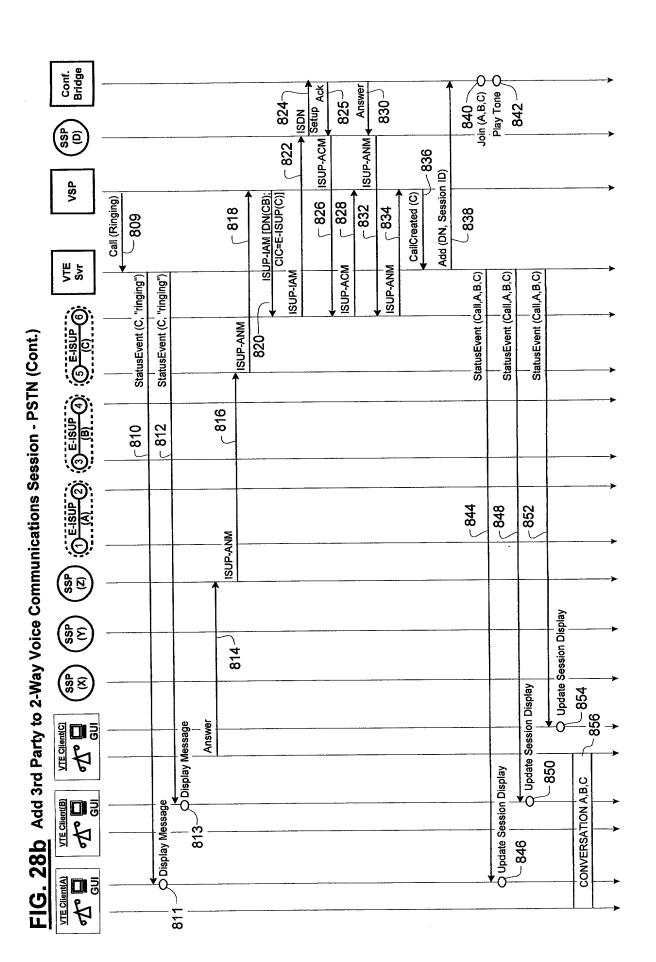
Add 3rd Party to 2-Way Voice Communications Session - PSTN **28** FIG.



Conf. Bridge Play Message 🖒 Join (A,B) C Play Tone C Answer Answer $^{\downarrow}$ 665 693 800 969 SSP (G) ISUP-ANM ← ISUP-ACM ISUP-ACM ISUP-ANM ★ Add (DN, Session ID) VSP 678 CallCreated (A) CallCreated (B) ISUP-IAM [DN=DN(C); CIC=E-ISUP-IAM [DN≂DN(CB); CIC=E-ISUP(B)] 692 808 999 ₋672 200 904~ VTE 704 804 (G) E-ISUP (C) (C) ISUP-ACM 702 688 **694** − 674 999 Add 3rd Party to 2-Way Voice Communications Session - PSTN (Cont.) ISUP-IAM 989 ISUP-ACM ISUP-ANM ISUP-IAM 807 ISUP-ACM ISUP-ANM (O E-ISUP (A) 805 ISUP-ACM SS (Z) "Ring" SS E 908 SS X VTE Clientic)

Gui 803 VTE Client(B) CONVERSATION A,B **28a** VTE Client(A)

069 -



Conf. Bridge 948 946 \\ Release \rangle ĄĊ À 922 Release 924 SSP (0) ISUP-RLC ISUP-RLC 904 Archive Comm. Session VSP CloseSession (Session ID) ISUP-REL [CIC=E-ISUP(A)] ISUP-REL [CIC=E-ISUP(B)] ISUP-REL [CIC=E-ISUP(A)] ISUP-REL [CIC=E-ISUP(B)] 942 930 Svr Svr 902~ (O E-ISUP (O) 940 918 919 -920 938 944 928 ISUP-RLC 916 ISUP-RLC ISUP-REL SUP-REL ا 308 906 ISUP-REL ISUP-RLC ISUP-RLC -932) 934 ISUP-REL SSP (Z) 912 ISUP-RLC (gg E 910 ISUP-RLC idle line (SS S idle line 936 VTE CIlent(C) 1914 Select Close Session Close(Session ID) VTE Client(B) T N VTE Client(A) 858

FIG. 29 Close 3-Way Voice Communications Session

Conf. Bridge

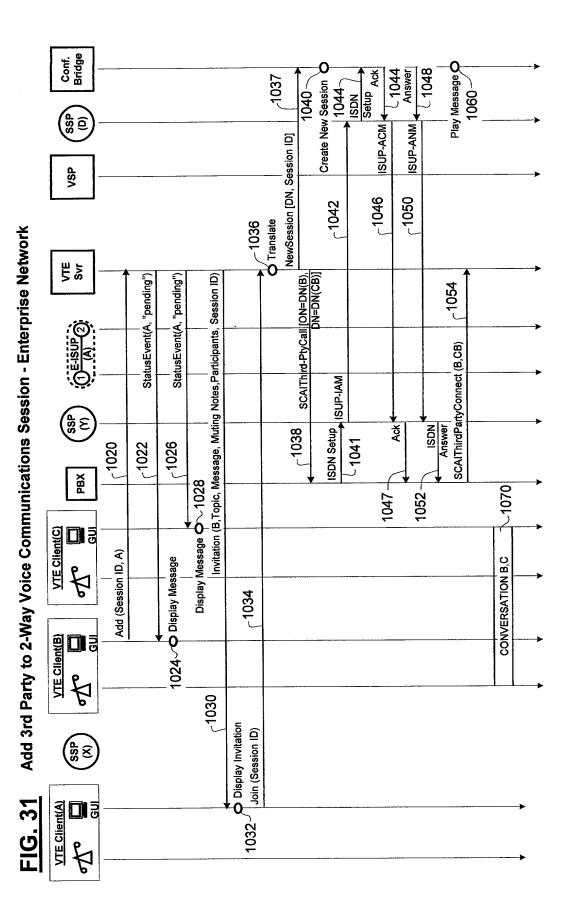
as (a) ISUP-RLC 996 -962 VSP SessionClosed (Session ID) ISUP-REL [CIC=E-ISUP(C)] ISUP-REL [CIC=E-ISUP(C)] 964 -963 952 VTE Svr ISUP-RLC ISUP-REL Status Event (Session Type, Session ID, Closed) StatusEvent (Session Type, Session ID, Closed) Status Event (Session Type, Session ID, Closed) ISUP-RLC 960 950 ISUP-REL 954 956 Close 3-Way Voice Communications Session (Cont.) ISUP-RLC SSP (Z) idle line 926~ 086 984 SSP SSP A Remove Session SS X 958 A Remove Session VTE Client(C) **∠98**2 A Remove Session VTE Client(B) FIG. 29a 626 VTE Client(A)

ķ

970

Release

Conf. Bridge VSP 992 Assign Session ID SCAIConnect [ON=DN(B), DN=DN(C)]" | 994 VTE Svr (1016 StatusEvent (Session Type, Session ID, B, C) StatusEvent (Session Type, Session ID, B, C) StatusEvent (Session Type, Session ID, B, C) 1006 966 FIG. 30 Set Up 2-Way Voice Communications Session - Enterprise Network SCAIConnect (B,C) SSP SSP SessionRequest (Session Type, Topic, Message) Display Session PBX 71018 "Ring" "Ring" 1004 VTE Client(C) 1008 1012 7019 1002 866 Answer O Display Session CONVERSATION B,C 1000 **_1014** VTE Client(B) Answer O Display Session (SS) C1010 VTE Client(A)



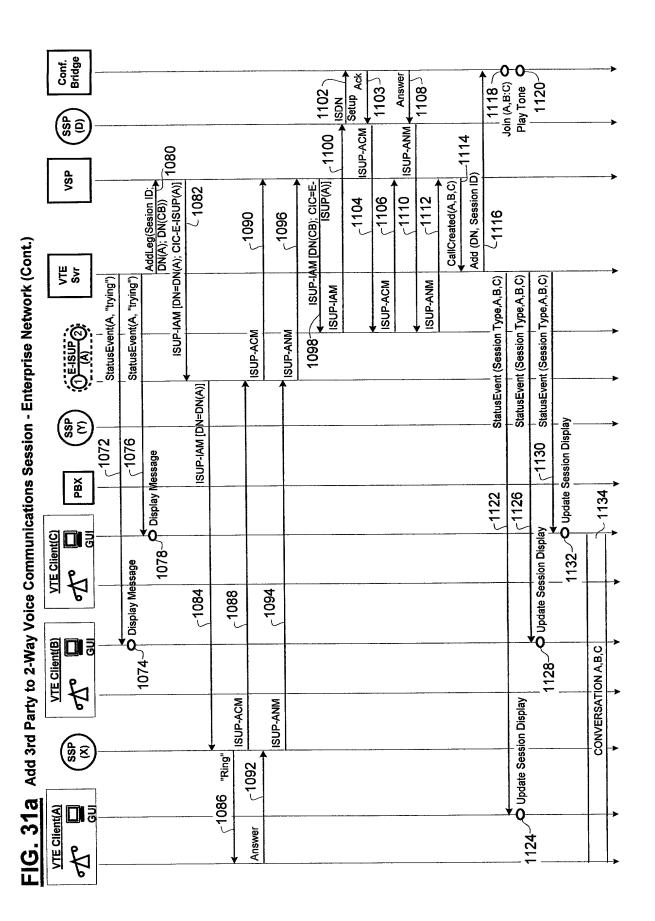
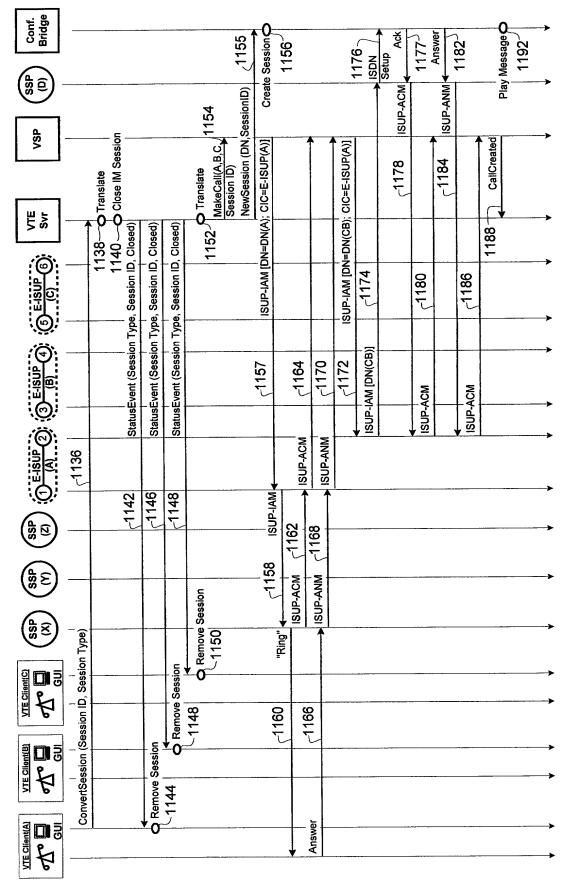


FIG. 32 Convert 3-Way IM Session to 3-Way Voice Communications Session



Conf. Bridge 1230 Join A,B Play Tone Answer 1220 1215 1232 SDN 1228 SSP) ISUP-ANM▲ ISUP-ACM VSP Add (DN, SessionID) CallCreated (B, ISUP-IAM [DN=DN(CB); CIC=EISUP(B)] ISUP-IAM [DN=DN(B); CIC=E-ISUP(B)] **1222** 1216 1194 SY. 1226-1208 1202 (GEISUP (G) -1218 1224 ISUP-IAM [DN(CB)] (1212 Convert 3-Way IM Session to 3-Way Voice Communications Session (Cont.) ISUP-ACM ISUP-ANM ISUP-IAM 1210 ISUP-ACM ISUP-ACM (A) E-ISUP (A) ر1200 1196 -1206 SSP (Z) ISUP-ACM ISUP-ANM (SSP) "Ring" SS SS SS 1198 ر1204 VTE Clientic CONVERSATION A,B 1234 VTE Client(B) Answer 32a VTE Cilent(A)
GUI

ik ik

Conf. Bridge 1274 Join A,B Play Tone ĄĊ Answer 1276 1257 1256 1262 NOSI Setup SSP (D) 12547 1272₇ ISUP-ANM ISUP-ACM VSP CaliCreated (A,B,C) ISUP-IAM [DN=DN(C);CIC=E-ISUP(C)] ISUP-IAM [DN(CB); CIC=E-ISUP(C)] 1258₇ 1250₇ 1260₇ 1264₇ 1268₇ **1244**7 1236 왕 ISUP-ACM ISUP-ANM ISUP-IAM 1270-StatusEvent (Call, A, B, C) StatusEvent (Call, A, B, C) StatusEvent (Call, A, B, C) 1252 ISUP-ACM ISUP-ANM FIG. 32b Convert 3-Way IM Session to 3-Way Voice Communications Session (Cont.) ISUP-IAM (O E-ISUP (D) _1248 ر1242 (O E-ISUP (O) 1238 1278₇ 1282₇ 1286₇ ISUP-ANM ISUP-ACM SS Z "Ring" SSP ~1240 ~1246 O Display Session SSP X 1290 O Display Session VTE Client(C) Answer CONVERSATION A,B,C O Display Session VTE Client(B) VTE Client(A)

FIG. 33 Set-up 2-way Multi-Media Session

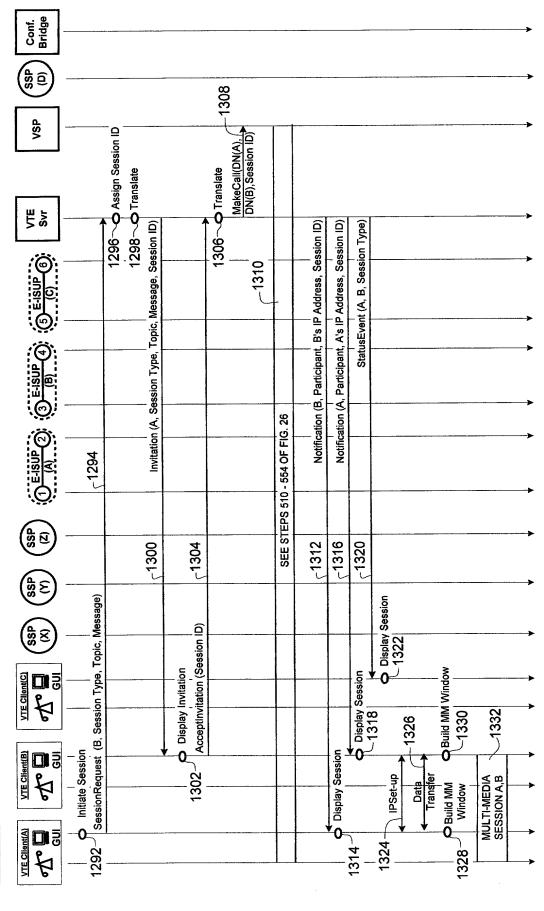


FIG. 34 Add 3rd Party to Multi-media Session

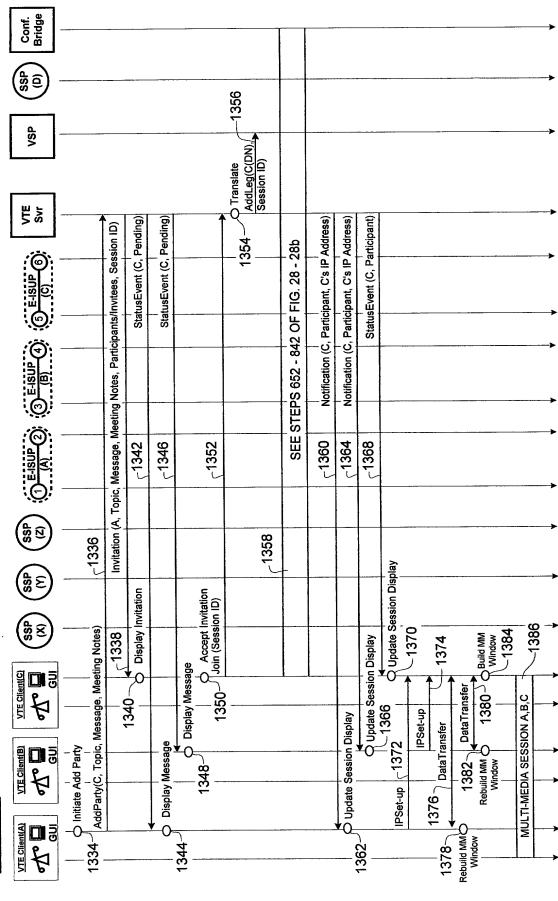
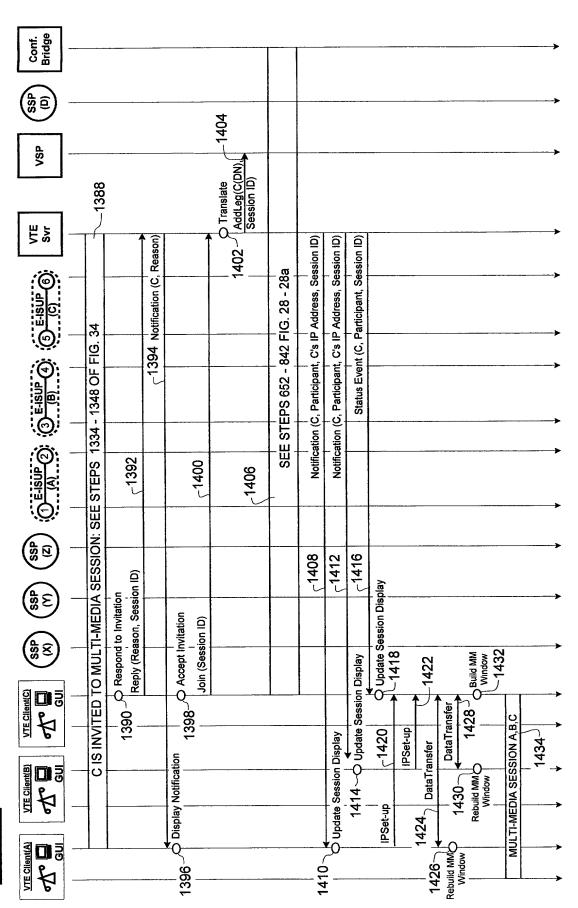
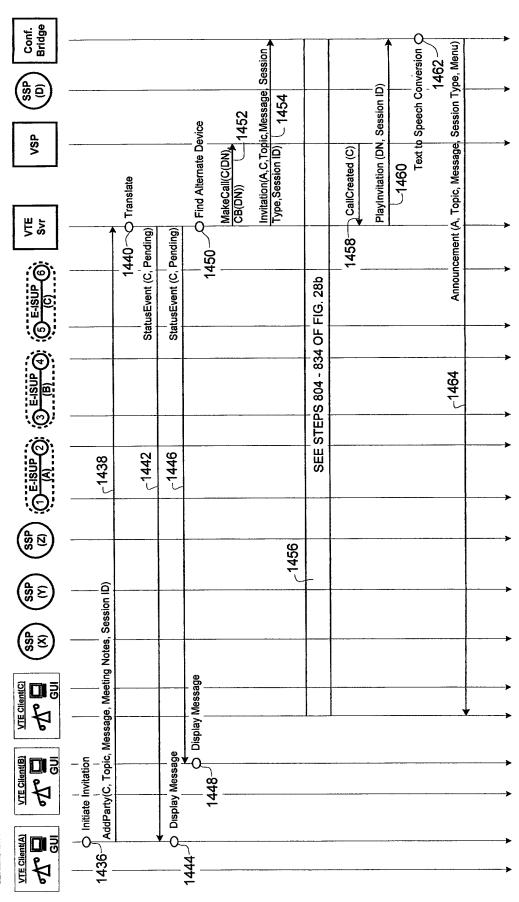


FIG. 35 Add 3rd Party to Multi-media Session (Deferred Acceptance)



Add 3rd Party to Multi-media Session (3rd Party Not Logged to VTE) FIG. 36



Add 3rd Party to Multi-media Session (3rd Party Not Logged on to VTE) (Cont.) FIG. 36a

